

What is claimed is:

1. A system for pumping fluid using a pump cassette, the system comprising:
 - 5 a control assembly for operating the pump cassette, and
 - a force assembly having a movable member capable of applying force to the pump cassette to press the pump cassette against the control assembly.
- 10 2. The system according to claim 1, wherein the movable member includes an expandable member capable of expanding to press the pump cassette against the control assembly.
3. The system according to claim 2, wherein the expandable member is a
15 bladder.
4. The system according to claim 1, wherein the force assembly includes a door, the movable member attached to the door.
- 20 5. The system according to claim 1, wherein the force assembly includes a back plate and a frame, the movable member positioned between the back plate and the frame.
6. The system according to claim 1, further comprising a pneumatic circuit
25 for controlling the movable member.
7. The system according to claim 1, wherein the movable member is coupled to a piston assembly, the piston assembly capable of contacting the pump cassette.

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8. The system according to claim 1, further including a cassette receptacle for receiving the pump cassette.
9. The system according to claim 8, wherein the force assembly is movably
5 coupled to the control assembly to allow access to the cassette receptacle.
10. The system according to claim 8, wherein the cassette receptacle is movably coupled to the force assembly.
- 10 11. The system according to claim 8, wherein the cassette receptacle is movably coupled to the control assembly.
12. The system according to claim 1, wherein the control assembly includes:
a bezel; and
15 a bezel gasket including a membrane capable of being displaced to operate the pump cassette.
13. The system according to claim 12, further including a pneumatic control circuit for displacing the membrane.
- 20 14. The system according to claim 12, wherein the control assembly includes a rigid plate to which the bezel is attached.
15. A method of pumping fluid using a pump cassette comprising:
25 providing the pump cassette;
providing a control assembly capable of operating the pump cassette;
inserting the pump cassette into a cassette receptacle;
moving a movable member against at least one of the cassette
receptacle and the pump cassette to press the pump cassette against the
30 control assembly.

16. The method according to claim 15, wherein the movable member is capable of expanding, and wherein moving the movable member against at least one of the cassette receptacle and the pump cassette includes:

5 expanding the movable member to press the pump cassette against the control assembly.

17. The method according to claim 16, wherein expanding the movable member includes pneumatically operating the expandable member.

10 18. The method according to claim 15, further including pumping at least one fluid through the pump cassette.

19. The method according to claim 15, wherein the control assembly includes a membrane capable of being displaced, and wherein said pumping includes:

15 pneumatically displacing the membrane to operate the pump cassette.

20. The method according to claim 15, wherein inserting the pump cassette into the cassette receptacle includes:

20 opening a door coupled to the control assembly to gain access to the cassette receptacle, the movable member attached to the door.

21. A system for pumping fluid using a pump cassette, the system comprising:

25 means for operating the pump cassette; and
movable means for applying force to the pump cassette to press the pump cassette against the operating means.

22. The system according to claim 21, wherein the means for applying force to the pump cassette includes an expandable member capable of expanding to
30 press the pump cassette against the operating means.

23. The system according to claim 22, wherein the means for applying force to the pump cassette includes a door, the expandable member coupled to the door.

5 24. The system according to claim 22, wherein the expandable member is a bladder.

25. The system according to claim 21, wherein the operating means includes:
a bezel; and

10 a bezel gasket including a membrane capable of being displaced
operate the pump cassette.

26. The system according to claim 21, further comprising a cassette
receptacle for receiving the pump cassette.

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27. The system according to claim 26, wherein the means for applying force to the pump cassette is movably coupled to the operating means, to allow access to the cassette receptacle.

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